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ABSTRACT

The focus of the Association for Biology Laboratory Education (ABLE) is to improve the undergraduate biology laboratory experience by promoting the development and dissemination of interesting, innovative, and reliable laboratory exercises. This proceeding volume contains 12 papers: "Experimental Design and Testing: Hatching and Development in Brine Shrimp" (Leona C. Truchan, Ingrith Deyrup-Olsen); "Using Chives to Study Meiosis" (Albert D. Robinson); "Size-Selective Feeding to Zooplankton by Fish" (Nelson Hairston, Jr., Madelyn Stafford-Glase); "A Laboratory on Population Genetics and Evolution: A Physical Model and Computer Simulation" (Jon C. Glase); "Origin of Life: The Miller Experiment" (R. W. Peifer); "Human Cardiopulmonary Laboratory" (Carol Hardy McFadden); "Measuring the Amount of Ascorbic Acid in Cabbage" (Carol Reiss); "Obtaining Early Mammalian Embryos" (Frank J. Dye); "Applying the Learning-Cycle Approach to Digestives Systems And the Principles of Structure, Function and Unity with Diversity" (Ann O. Wilke); "A Laboratory Teaching Model Which Trains Students to Exercise Discretion: Evaluating Water Quality" (William H. Leonard); "Using Crustaceans to Illustrate the Principles of Osmoregulation, Acid/Base Balance, and Respiratory Physiology" (Richard L. Walker); and "Using Chromosome Kits to Assemble Human Karyotypes" (Kenneth W. Perkins). (MKR)

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